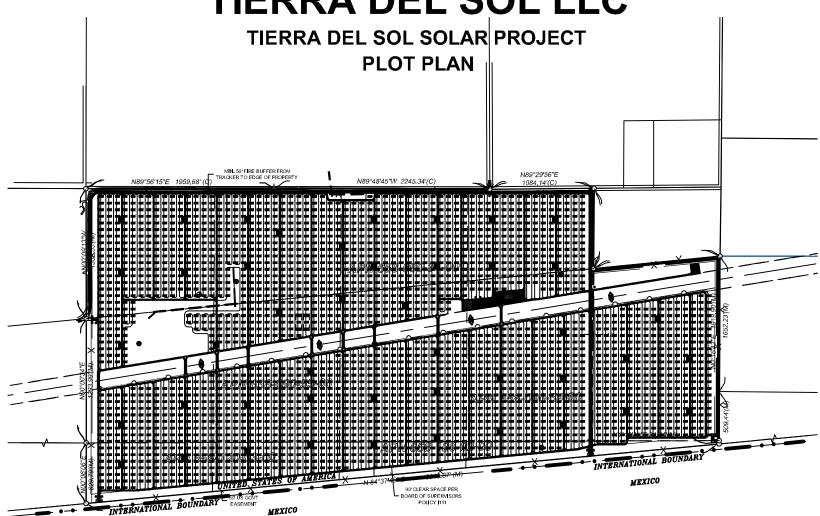
## **60.0MW SOLAR SYSTEM** TIERRA DEL SOL LLC



#### **GENERAL NOTES:**

- 1. Each tracker assembly is approximately 48 FT wide with a maximum constructed height of 30 FT and spaced approximately 69 FT North to South, 82 FT East to West.
- Entrance to each gate will be from an improved driveway that shall be designed in accordance with the attached details on C-103 and equipped with an emergency key-operated override
- 3. At no point does the change of grade, along the primary access road, exceed 10%.
- 4. Detailed cross sections of the roads are provided on the preliminary grading plan.
- 5. All compaction requirements are listed on the preliminary grading plan.
- 6. Turnaround shall be designed in accordance with County of San Diego Design Standard DS-06 for a county emergency fire
- 7. The project site is not located in a designated flood plain, therefore lines of inundation are not shown.
- 8. Temporary and Permanent BMPs are shown on the preliminary
- 9. All coordinates shown are state plane coordinates based on CCS83, Zone 6 (2007.00 Epoch).
- 10. All dimensions are shown in Decimal Feet.
- 11. The solar related facilities (panels, electrical connections, transformer/inverter platform, O&M buildings, emergency generator, fencing, internal access and switchgear pad, etc.) shown on the plot plans may be relocated, (exclusive of the open space areas & undeveloped (future development area)) with the administrative approval of the director of dplu when found in conformance with the intent and conditions of the permit's approval. Transformer/inverter platform locations can be relocated/reconfigured without requirement of minor deviation.

EMAIL:

### **ABBREVIATIONS:**

AC	Alternating Current
ADT	Average Daily Trips
BB	Building Block
BMP	Best Management Practice

CEQA California Environmental Quality Act Concentrating Photovoltaic

Land Usage

Design Standard

EOP

MUP Major Use Permit MW Megawatts

NTS Not to Scale

QTY Quantity

ROW Right of Way

County Fire Authority

DPLU County of San Diego, Department of Planning and

Environmental Impact Report Edge of Pavement

FT

Irrevocable Offer of Dedication

kilovolt kilowatts

Memorandum of Understanding MPA Major Use Permit Application

Property Lines

Rural Land

Resource Protection Ordinance

### PARCEL ZONING SETBACK SCHEDULE

**SHEET INDEX** 

C-101 PLOT PLAN C-102 EASEMENT PLAN

C-103 ROAD DETAILS

C-104 ROAD DETAILS

C-131 O&M BUILDING

C-132 FENCE ELEVATION DETAIL

C-133 TRACKER ELEVATION DETAIL

C-100 LEGEND, SYMBOLS, ABBREVIATIONS & NOTES

C-134 34.5kV OVERHEAD / WATER TANK ELEVATION

C-130 1.36 / 2.0 MW INVERTER BOX DESIGN

APN	SETBACK SCHEDULE DESIGNATION
658-090-31	D
658-090-55	D
658-120-03	D
658-090-54	D
658-120-02	D

\* THIS PLAN IS EXEMPT FROM THE SETBACK SCHEDULE PURSUANT TO ZONING **ORDINANCE 4813** 

#### **COVERAGE TABLE**

UNIT	# UNITS	ACRES / UNIT		
TRACKER	2538	0.026		
INVERTER	45	0.005		
O&M	1	0.172		
SUBSTATION	1	0.126		
TOTAL ACRES = 67				

# **AECOM**

**DESIGNER** 

**RESERVED FOR COUNTY STAMPS** 

#### **AECOM**

AECOM TECHINCAL SERVICES, INC 440 Stevens Avenue, Suite 250 Solana Beach, CA 98075 858.947.7144 tel 858.947.7145 fax www.aecom.com





Soitec



4250 Executive Square, Suite 770 San Diego, CA 92037-9178

₹ %						
TEC SO 2 9:05:38	VICINITY MAP	OWNER INFORMATION	CONTACT INFORMATION	PARCEL INFORMATION	PROJECT INFORMATION	
EST_CURRENT/SOI LOT DATE: 9/6/2012	TIERRA DE MELANIE OROO SON VALLEY RD.  SAN DIEGO  ALTA VEGA RD.  ALTA VEGA RD.	NAME: Brown Family Trust, Brown & Reynolds Trust  ADDRESS: 1116 W. 7th Sreet PMB 158  CITY: Columbia  STATE: TN	NAME: Pat Brown  ADDRESS: 4250 Executive Square, Suite 770  CITY: La Jolla  STATE: CA	APN: 6580903100, 6580905500, 6581200300, 6581200200, 6580905400  SITE ADDRESS: 796 Tierra del Sol Road, Boulevard, CA 91905	EXISTING: Relatively level land on the southern and central portions of th with rolling rock and boulder covered hills on the northwestern portion. The site is minimally developed with unpaved roads.	
P.110 ENERGY WE D.BY: ORTIZG P	TIERRA ESTRELLA  TIERRA DEL SOL RD.  USA  MEXICO	zip: 38401  PHONE:  FAX:	ZIP: 92037  PHONE: (858) 652-4423  FAX:		PROPOSED: 60 Megawatt (MW) project, constructed in two phases, located approximately 420 acres and includes the construction and operation of approximately 2538 Concentrated Photovoltaic (Contractors configured into 45 (1.36 MW) RB that consist of 56 trackers configured into 45 (1.36 MW) RB that consist of 56 trackers configured into 45 (1.36 MW) RB that consist of 56 trackers configured into 45 (1.36 MW) RB that consist of 56 trackers configured into 45 (1.36 MW) RB that consist of 56 trackers configured into 45 (1.36 MW) RB that consist of 56 trackers configured into 45 (1.36 MW) RB that consist of 56 trackers configured into 45 (1.36 MW) RB that consist of 56 trackers configured into 45 (1.36 MW) RB that consist of 56 trackers configured into 45 (1.36 MW) RB that consists of 56 trackers configured into 45 (1.36 MW) RB that consists of 56 trackers configured into 45 (1.36 MW) RB that consists of 56 trackers configured into 45 (1.36 MW) RB that consists of 56 trackers configured into 45 (1.36 MW) RB that consists of 56 trackers configured into 45 (1.36 MW) RB that consists of 56 trackers configured into 45 (1.36 MW) RB that consists of 56 trackers configured into 45 (1.36 MW) RB that consists of 56 trackers configured into 45 (1.36 MW) RB that consists of 56 trackers configured into 45 (1.36 MW) RB that consists of 56 trackers configured into 45 (1.36 MW) RB that consists of 56 trackers configured into 45 (1.36 MW) RB that consists of 56 trackers configured into 45 (1.36 MW) RB that consists of 56 trackers configured into 45 (1.36 MW) RB that consists of 56 trackers configured into 45 (1.36 MW) RB that consists of 56 trackers configured into 45 (1.36 MW) RB that configured into 45 (1	

patrick.brown@soitec.com

of the site

ated on trackers configured into 45 (1.36 MW) BB that consist of 56 trackers with associated Inverter and Transformer.

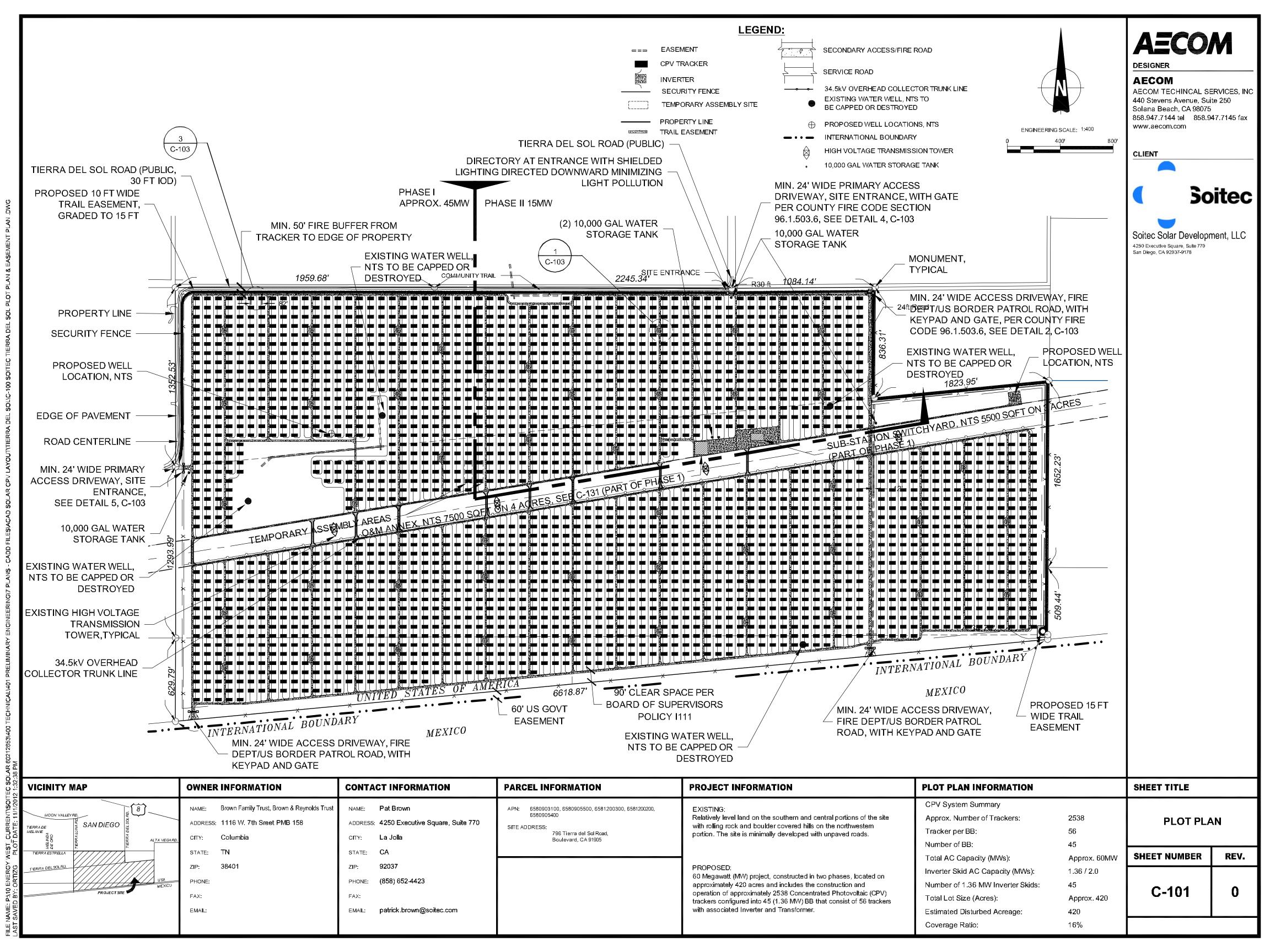
**PLOT PLAN INFORMATION** CPV System Summary Approx. Number of Trackers: 2538 56 Tracker per BB: Number of BB: 45 Total AC Capacity (MWs): Approx. 60MW Inverter Skid AC Capacity (MWs): 1.36 / 2.0 Number of 1.36 MW Inverter Skids: 45 Total Lot Size (Acres): Approx. 420 Estimated Disturbed Acreage: 420

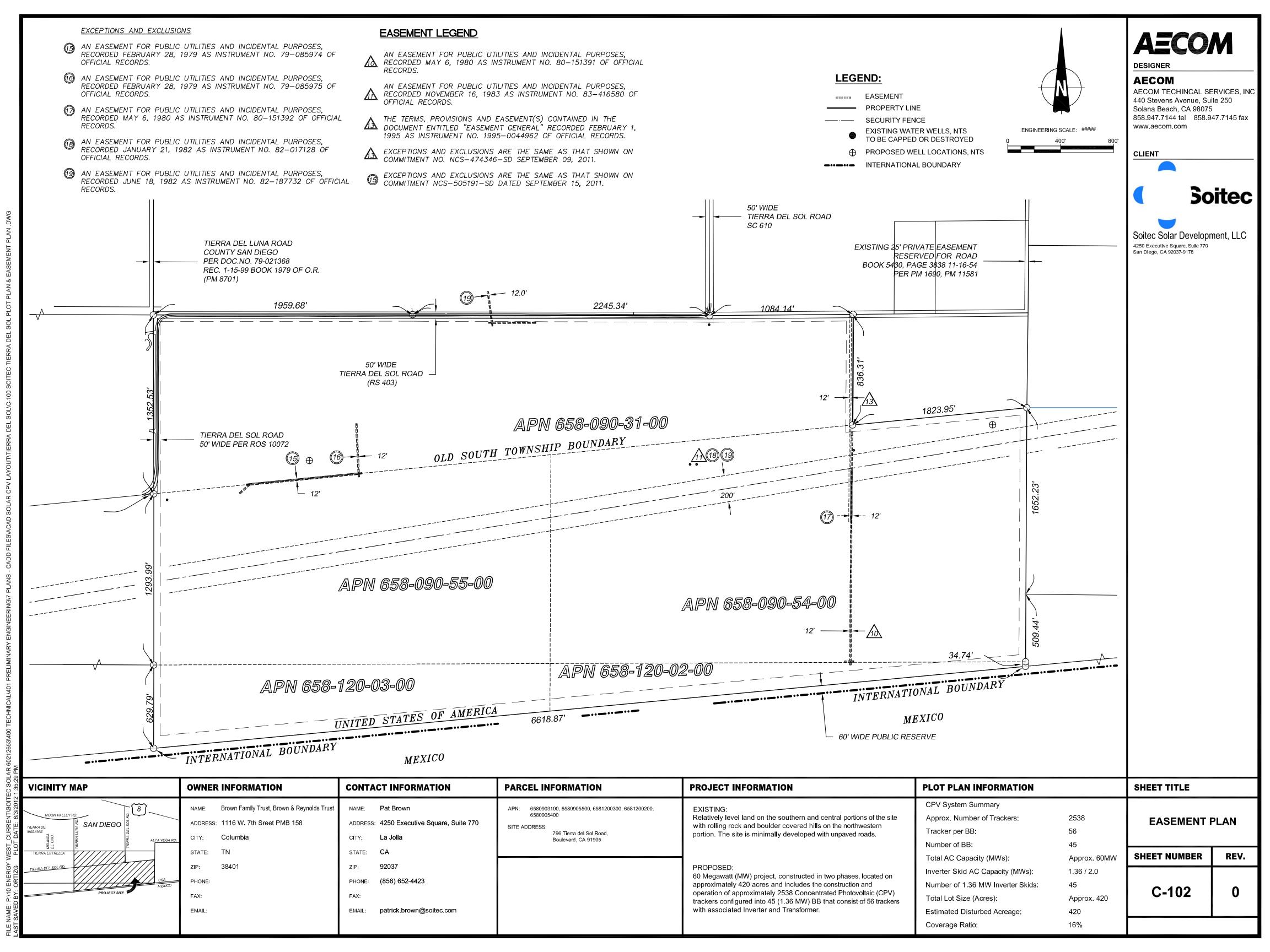
Coverage Ratio:

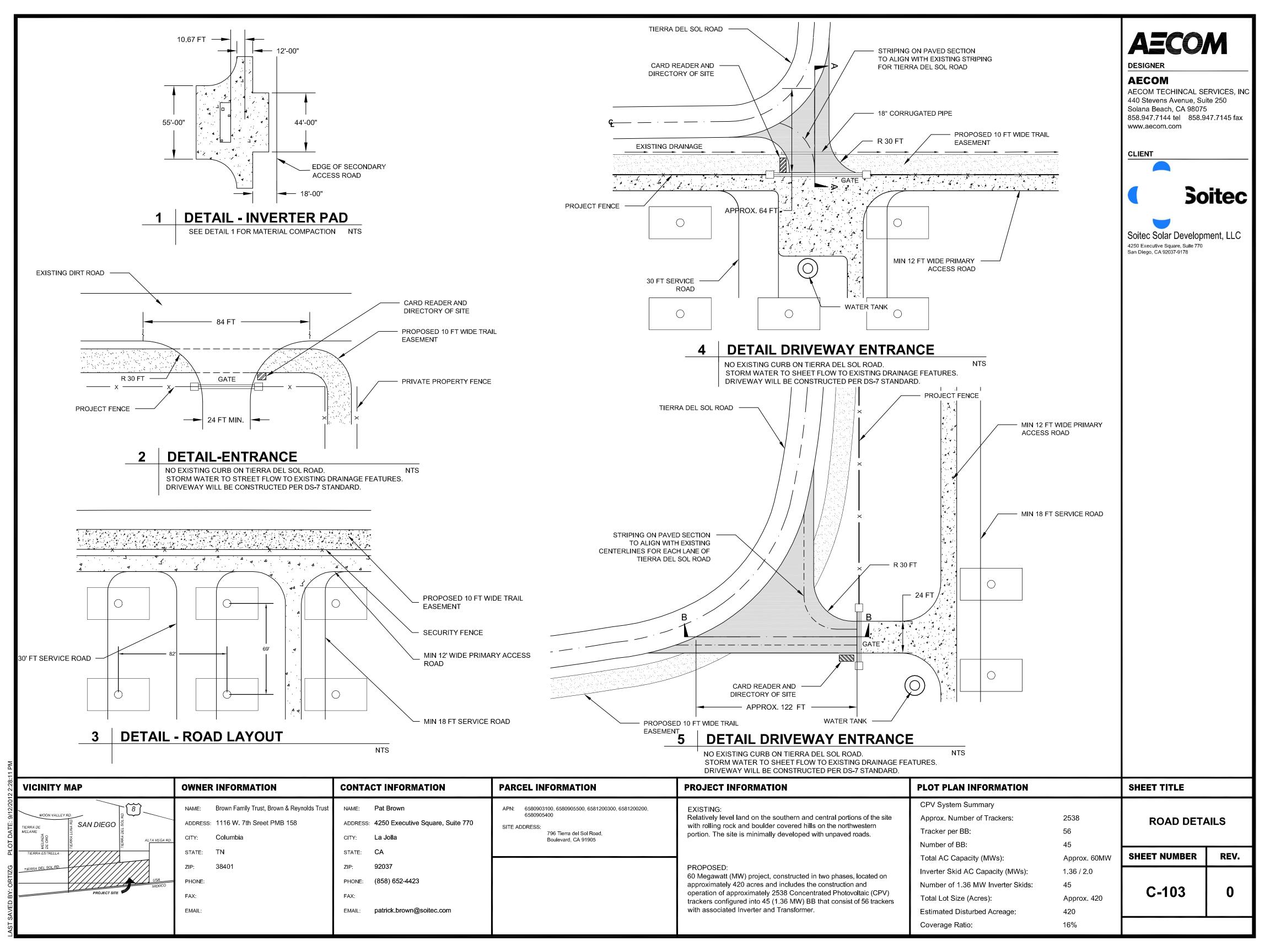
16%

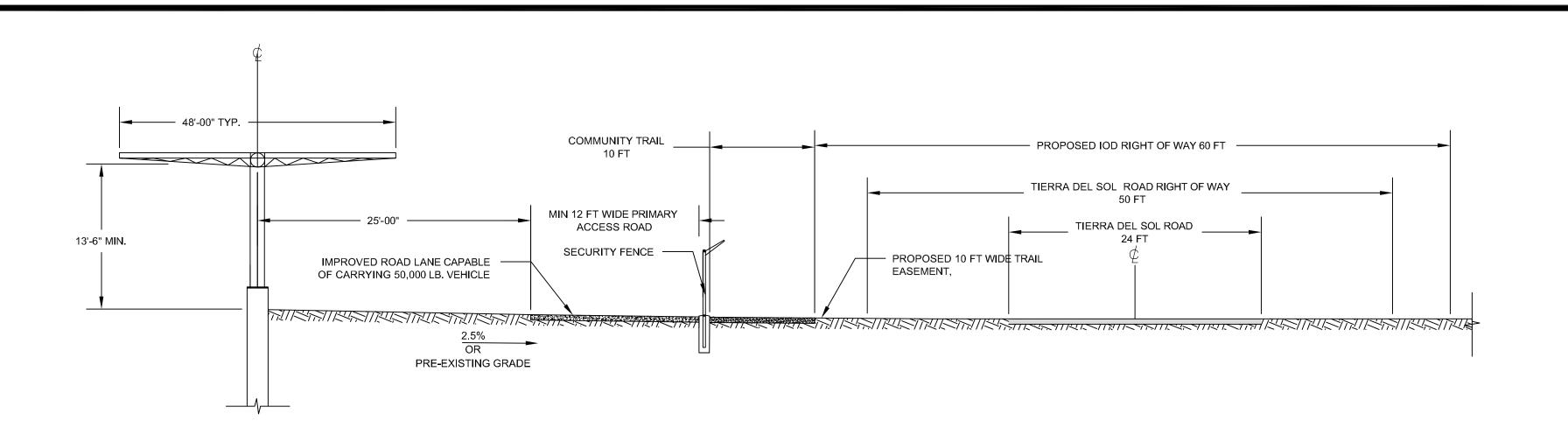
SHEET TITLE **LEGEND, SYMBOLS ABBREVIATIONS** & NOTES

SHEET NUMBER	REV.
C-100	0









**AECOM** 

DESIGNER

#### AECOM

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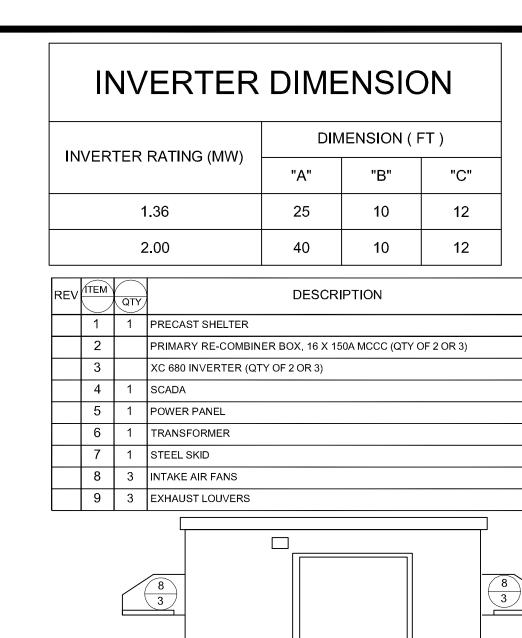
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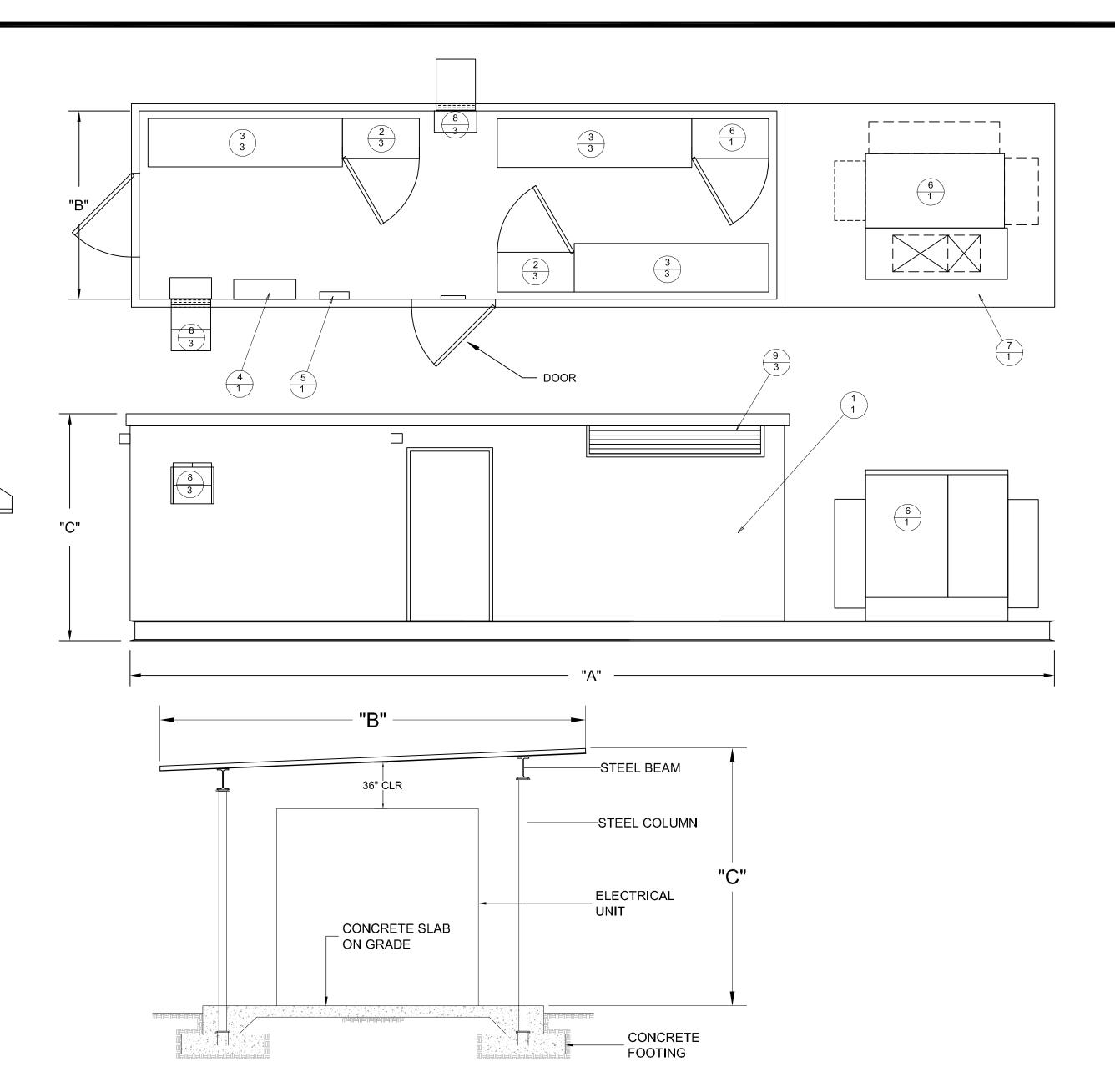
Soitec Solar Development, LLC 4250 Executive Square, Suite 770 San Diego, CA 92037-9178

6 TYPICAL CROSS SECTION

NTS

2 1 40.	INITY MAP	OWNER INFORMATION	CONTACT INFORMATION	PARCEL INFORMATION	PROJECT INFORMATION	PLOT PLAN INFORMATION		SHEET TITLE	
OT DATE: 9/12/201	WELINDA MELINDA PER ORO DE CORO DE COR	NAME: Brown Family Trust, Brown & Reynolds Trust ADDRESS: 1116 W. 7th Sreet PMB 158 CITY: Columbia	NAME: Pat Brown  ADDRESS: 4250 Executive Square, Suite 770  CITY: La Jolla	APN: 6580903100, 6580905500, 6581200300, 6581200200, 6580905400  SITE ADDRESS: 796 Tierra del Sol Road, Boulevard, CA 91905	EXISTING: Relatively level land on the southern and central portions of the site with rolling rock and boulder covered hills on the northwestern portion. The site is minimally developed with unpaved roads.	CPV System Summary Approx. Number of Trackers: Tracker per BB: Number of BB:	2538 56 45	ROAD DETA	AILS
	PA ESTRELLA  DEL SOL RD	STATE: TN	STATE: CA			Total AC Capacity (MWs):	Approx. 60MW	SHEET NUMBER	REV.
ORTIZG	DEL SOL RD  USA  MEXICO	ZIP: 38401 PHONE:	zip: 92037 PHONE: (858) 652-4423	NE. (858) 652 4423	PROPOSED: 60 Megawatt (MW) project, constructed in two phases, located on approximately 420 acres and includes the construction and	Inverter Skid AC Capacity (MWs): Number of 1.36 MW Inverter Skids:	1.36 / 2.0 45		_
ED BY:	PROJECT SITE	FAX:	FAX:		operation of approximately 2538 Concentrated Photovoltaic (CPV) trackers configured into 45 (1.36 MW) BB that consist of 56 trackers	Total Lot Size (Acres):	Approx. 420	C-104	0
SAVI		EMAIL:	EMAIL: patrick.brown@soitec.com		with associated Inverter and Transformer.	Estimated Disturbed Acreage:	420		
LAST						Coverage Ratio:	16%		





### **OPEN INVERTER ON SKID WITH SUN SHADE**

		'			
VICINITY MAP	OWNER INFORMATION	CONTACT INFORMATION	PARCEL INFORMATION	PROJECT INFORMATION	
WOON VALLEY RD.  TIERRA DE MELANIE MEL	STATE: TN  ZIP: 38401  PHONE:	NAME: Pat Brown  ADDRESS: 4250 Executive Square, Suite 770  CITY: La Jolla  STATE: CA  ZIP: 92037  PHONE: (858) 652-4423  FAX:  EMAIL: patrick.brown@soitec.com	APN: 6580903100, 6580905500, 6581200300, 6581200200, 6580905400  SITE ADDRESS: 796 Tierra del Sol Road, Boulevard, CA 91905	EXISTING: Relatively level land on the southers with rolling rock and boulder covere portion. The site is minimally development of the site is minimally development.  PROPOSED: 60 Megawatt (MW) project, construct approximately 420 acres and include operation of approximately 2538 Contrackers configured into 45 (1.36 MW) with associated Inverter and Transfer	

EXISTING: Relatively level land on the southern and central portions of the site with rolling rock and boulder covered hills on the northwestern

portion. The site is minimally developed with unpaved roads.

PLOT PLAN INFORMATION						
CPV System Summary						
Approx. Number of Trackers:	2538					
Tracker per BB:	56					
Number of BB:	45					
Total AC Capacity (MWs):	Approx. 60MW					
Inverter Skid AC Capacity (MWs):	1.36 / 2.0					
Number of 1.36 MW Inverter Skids:	45					
Total Lot Size (Acres):	Approx. 420					
Estimated Disturbed Acreage:	420					

16%

Coverage Ratio:

SHEET TITLE 1.36 / 2.0 MW INVERTER **BOX DESIGN** 

**AECOM** 

440 Stevens Avenue, Suite 250 Solana Beach, CA 98075

AECOM TECHINCAL SERVICES, INC

858.947.7144 tel 858.947.7145 fax

Soitec Solar Development, LLC

4250 Executive Square, Suite 770 San Diego, CA 92037-9178

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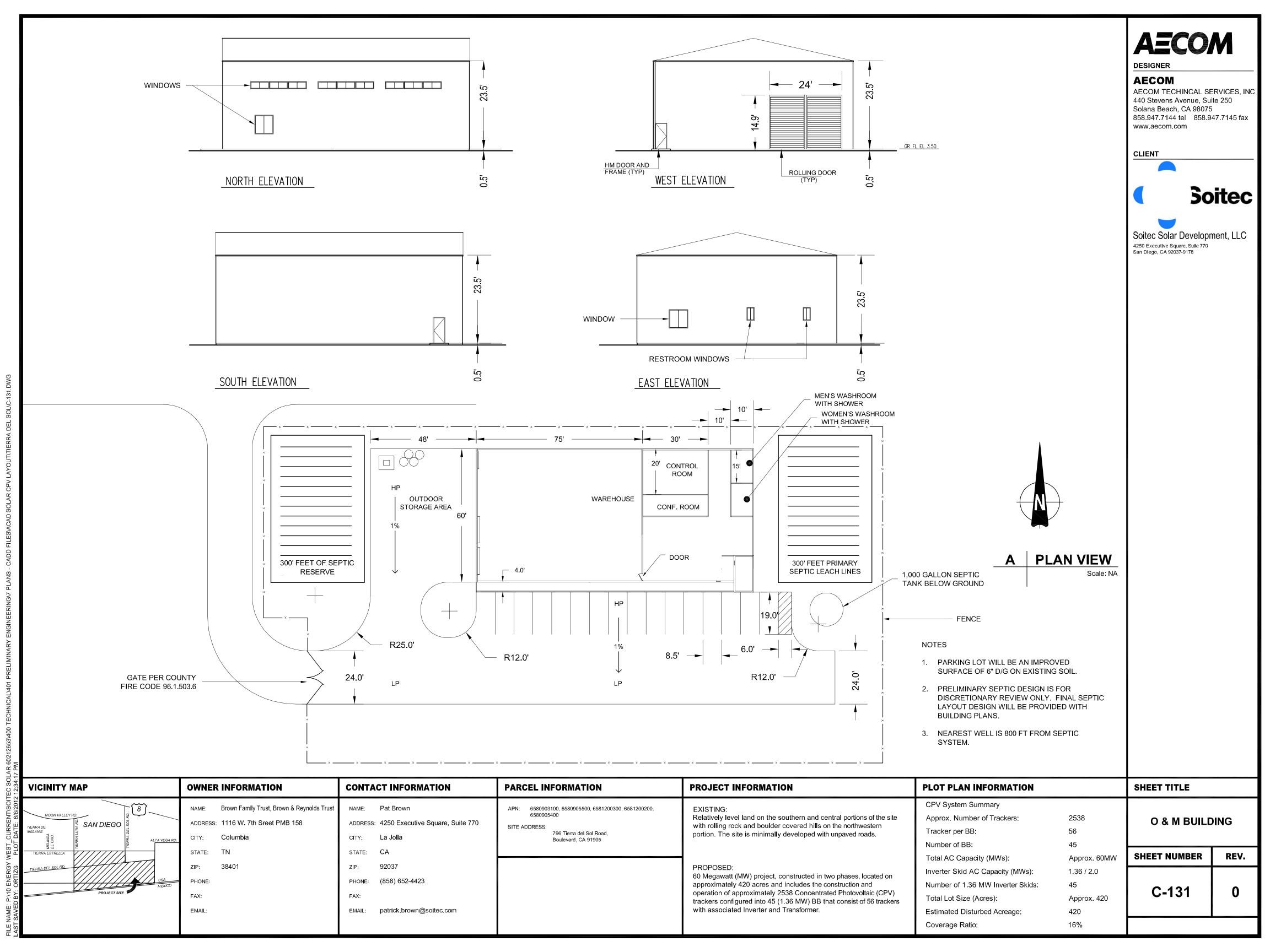
DESIGNER

**AECOM** 

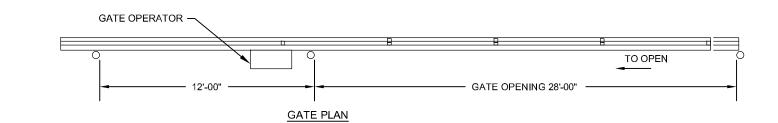
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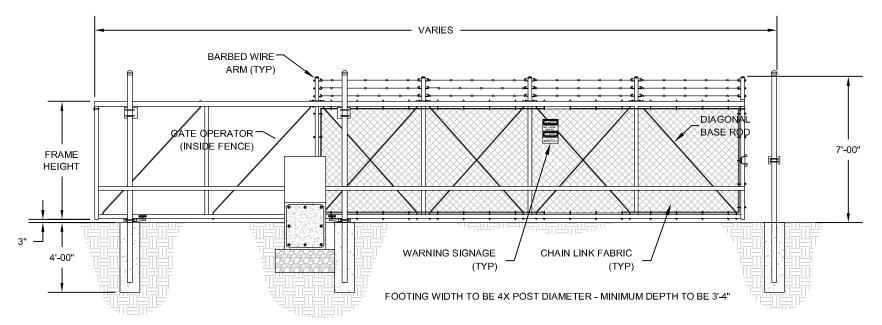
CLIENT

SHEET NUMBER	REV.
C-130	0



### FENCE DETAILS

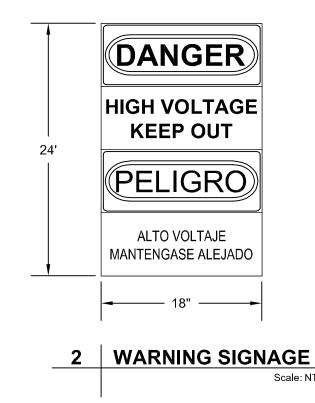


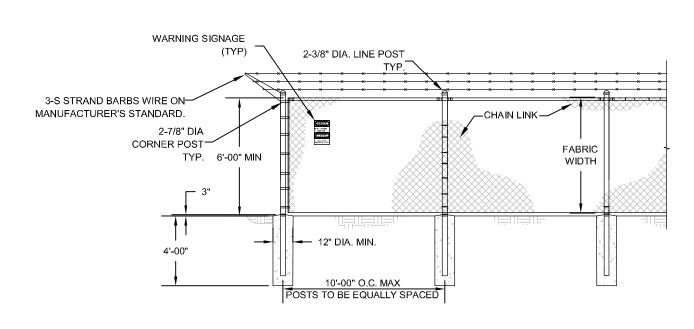


1 DETAIL - GATE

SINGLE MOTORIZED SLIDING GATE NTS
PER COUNTY FIRE CODE 96.1.503.6

\* 4" DIAMETER POST FOR GATE LEAF LENGHT 35'-0" AND LESS





3 DETAIL - CHAIN LINK FENCE

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4250 Executive Square, Suite 770 San Diego, CA 92037-9178

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**AECOM** 

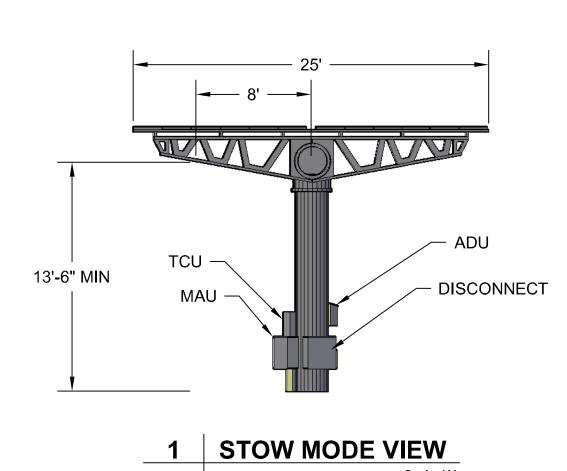
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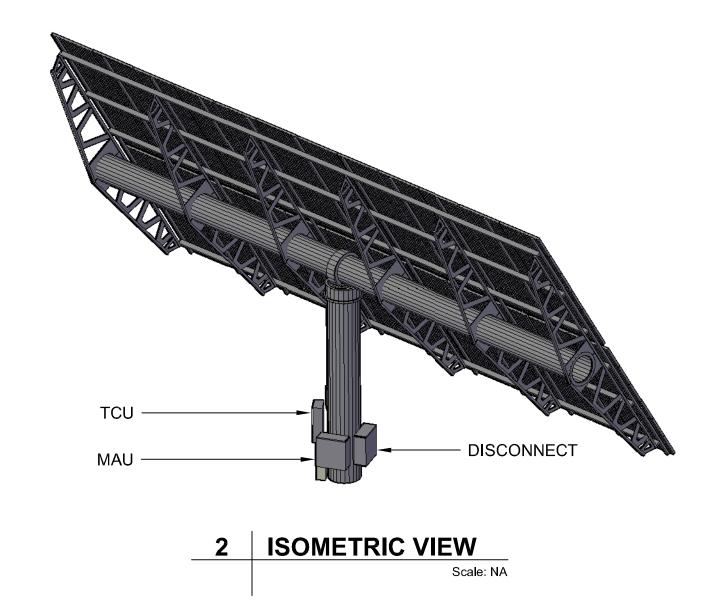
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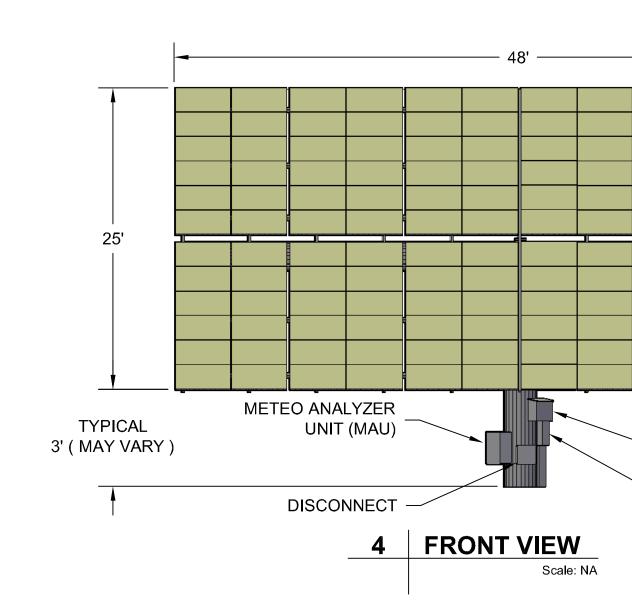
FENCE NOTES:

- 1. CHAIN LINK SHALL BE 2" MESH NO.9 GAGE WERE SECURITY FASTED TO LINE POSTS AND RAILS.WIRE FASTENERS AND THE CLIPS SHALL BE NO.11 GAGE
- 2. WIRE.CONCRETE FOOTINGS SHALL HAVE TOPS CROWNED AT GROUND LEVEL.
- 3. CHAIN LINK FENCE TO BE FITTED WITH UV- RESISTANT MESH FABRIC, COLOR PER CUSTOMER REQUEST.
- 4. ELECTRICAL SAFETY SIGNAGE TO BE PLACED ALONG PERIMETER.

1 42 3	VICINITY MAP	OWNER INFORMATION	CONTACT INFORMATION	PARCEL INFORMATION	PROJECT INFORMATION	PLOT PLAN INFORMATION		SHEET TITLE	
DATE 8/3/2012	MOON VALLEY RD.  TIERRA DE MELANIE  MOON VALLEY RD.  SAN DIEGO  SAN DIEGO  ALTA VEGA RD.	NAME: Brown Family Trust, Brown & Reynolds Trust ADDRESS: 1116 W. 7th Sreet PMB 158 CITY: Columbia	NAME: Pat Brown  ADDRESS: 4250 Executive Square, Suite 770  CITY: La Jolla	APN: 6580903100, 6580905500, 6581200300, 6581200200, 6580905400  SITE ADDRESS: 796 Tierra del Sol Road, Boulevard, CA 91905	EXISTING: Relatively level land on the southern and central portions of the site with rolling rock and boulder covered hills on the northwestern portion. The site is minimally developed with unpaved roads.	Tracker per BB: 56		FENCE ELEVA	
PLOT	TI U U U U U U U U U U U U U U U U U U U	STATE: TN  ZIP: 38401	STATE: CA ZIP: 92037	, in the second	PROPOSED:	, ,	pprox. 60MW	SHEET NUMBER	REV.
ORTIZO	TIERRA DEL SOL RD.  USA  MEXICO  PROJECT SITE	PHONE:	PHONE: (858) 652-4423		60 Megawatt (MW) project, constructed in two phases, located on approximately 420 acres and includes the construction and operation of approximately 2538 Concentrated Photovoltaic (CPV)	Inverter Skid AC Capacity (MWs): 1.  Number of 1.36 MW Inverter Skids: 45	.36 / 2.0 5	C-132	0
AVED BY	PROJECT SILE	FAX: EMAIL:	FAX: EMAIL: patrick.brown@soitec.com		trackers configured into 45 (1.36 MW) BB that consist of 56 trackers with associated Inverter and Transformer.	, ,	opprox. 420 20	G-132	U
LASTS						Coverage Ratio: 16	6%		







**PROJECT INFORMATION** 



DESIGNER

#### **AECOM**

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Soitec Solar Development, LLC 4250 Executive Square, Suite 770 San Diego, CA 92037-9178

30' MAX. **SIDE VIEW** 

Scale: NA

CITY:

ZIP:

FAX:

PHONE:

STATE: CA

92037

(858) 652-4423

patrick.brown@soitec.com

LAR 6 12 AM					
EC SO: 10:05:4	VICINITY MAP	OWNER INFORMATION			
ILE NAME: P.110 ENERGY WEST_CURRENT\SOITEC SOLAR 6 AST SAVED BY: ORTIZG PLOT DATE: 8/6/2012 10:05:42 AM	TIERRA DE MELANIE Y OUND THE WANTE TO THE WA	NAME: ADDRESS: CITY: STATE: ZIP: PHONE: FAX: EMAIL:	Brown Family Trust, Brown 1116 W. 7th Sreet PME Columbia TN 38401		
≓ %					

Trust, Brown & Reynolds Trust NAME: Pat Brown 6580903100, 6580905500, 6581200300, 6581200200, 6580905400 Sreet PMB 158 ADDRESS: 4250 Executive Square, Suite 770

**CONTACT INFORMATION** 

SITE ADDRESS:

**PARCEL INFORMATION** 

796 Tierra del Sol Road, Boulevard, CA 91905

Relatively level land on the southern and central portions of the site with rolling rock and boulder covered hills on the northwestern portion. The site is minimally developed with unpaved roads.

PROPOSED: 60 Megawatt (MW) project, constructed in two phases, located on approximately 420 acres and includes the construction and operation of approximately 2538 Concentrated Photovoltaic (CPV) trackers configured into 45 (1.36 MW) BB that consist of 56 trackers with associated Inverter and Transformer.

**PLOT PLAN INFORMATION** CPV System Summary Approx. Number of Trackers: 2538 56 Tracker per BB: 45 Number of BB: Total AC Capacity (MWs): Approx. 60MW Inverter Skid AC Capacity (MWs): 1.36 / 2.0 Number of 1.36 MW Inverter Skids: 45 Total Lot Size (Acres): Approx. 420 Estimated Disturbed Acreage: 420

16%

PRELIMINARY,

**NOT FOR CONSTRUCTION** 

AIR DRYING UNIT

TRACKER CONTROL

(ADU)

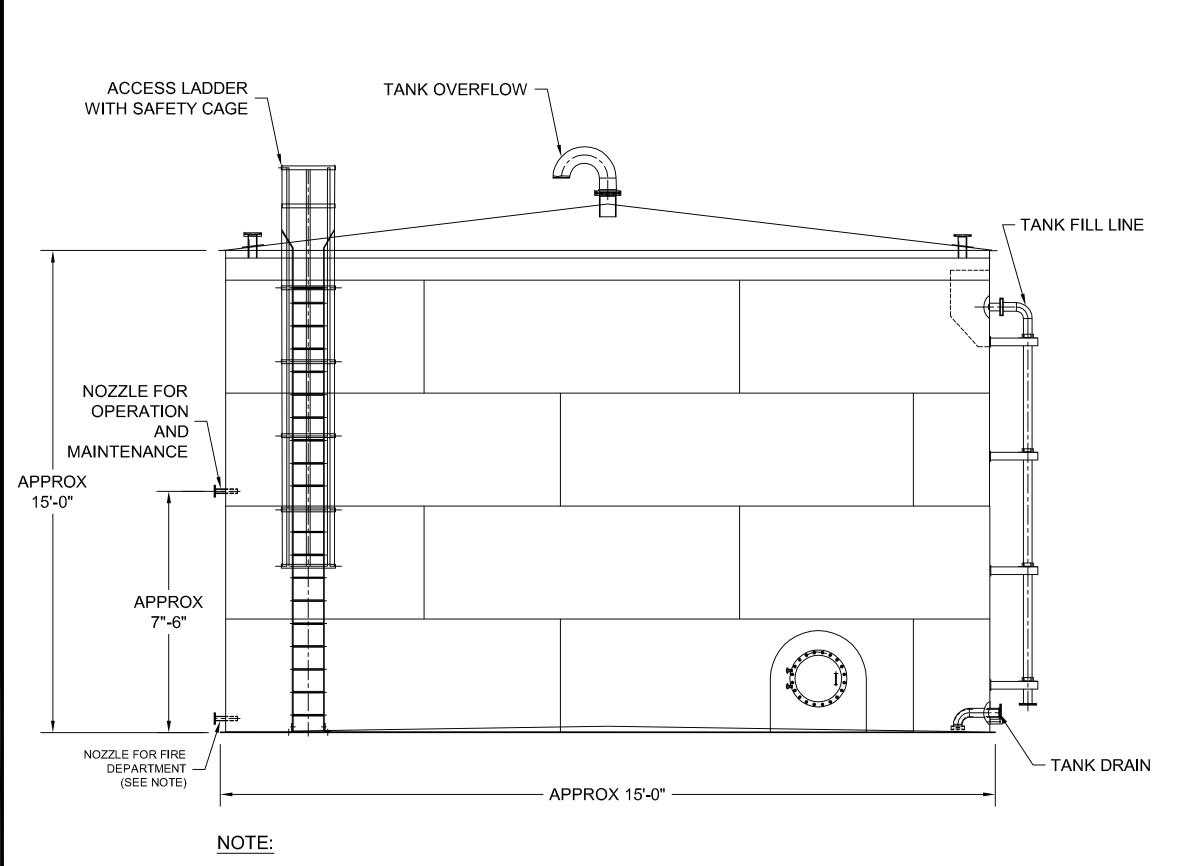
UNIT (TCU)

Coverage Ratio:

TRACKER ELEVATION DETAIL

SHEET TITLE

SHEET NUMBER REV. C-133 0



IN ACCORDANCE WITH SECTION 507.2.2 IN TITLE 9, DIVISION 6, CHAPTER 1 OF THE SAN DIEGO **COUNTY CODE:** 

1. THE SUPPLY OUTLET SHALL BE AT EAST 4 INCHES IN DIAMETER FROM THE BASE OF THE TANK TO THE POINT OF OUTLET AT THE FIRE DEPARTMENT CONNECTION. THE FIRE DEPARTMENT CONNECTION SHALL BE AT LEAST ONE 4-INCH NATIONAL STANDARD THREAD (MALE), REDUCE TO ONE 21/2 INCH NATIONAL STANDARD THREAD (MALE). ADDITIONAL OUTLETS MAY BE REQUIRED.

**CONTACT INFORMATION** 

ADDRESS: 4250 Executive Square, Suite 770

NAME: Pat Brown

CA

92037

(858) 652-4423

patrick.brown@soitec.com

CITY:

STATE:

PHONE:

FAX:

**PARCEL INFORMATION** 

6580905400

SITE ADDRESS:

6580903100, 6580905500, 6581200300, 6581200200,

796 Tierra del Sol Road,

Boulevard, CA 91905

- 2. THE LOCATION OF THE FIRE DEPARTMENT OUTLET TO BE DETERMINED ON THE PLOT PLAN WHEN SUBMITTED TO THE FIRE DEPARTMENT. CONSIDERATION WILL BE GIVEN TO TOPOGRAPHY, ELEVATIONS, AND DISTANCE FROM STRUCTURES, DRIVEWAY ACCESS, PREVAILING WINDS, ETC.
- 3. THE OUTLET SHALL BE LOCATED ADJACENT TO THE FIRE ACCESS ROAD.

**OWNER INFORMATION** 

CITY:

STATE:

PHONE:

FAX:

EMAIL:

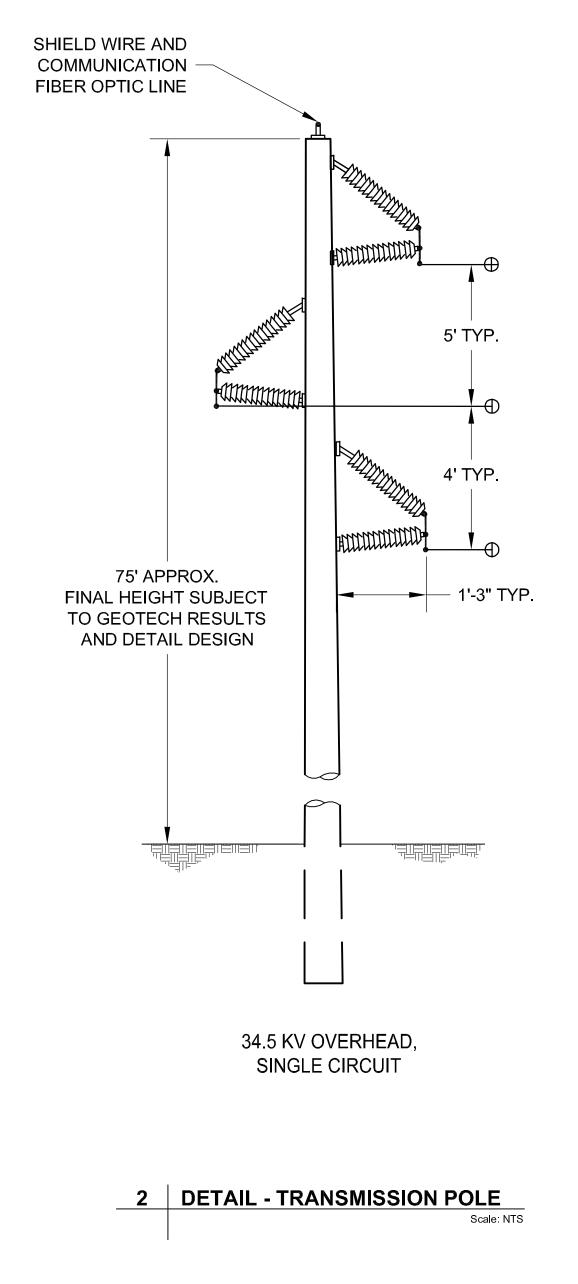
ADDRESS: 1116 W. 7th Sreet PMB 158

Brown Family Trust, Brown & Reynolds Trust

**VICINITY MAP** 

SAN DIEGO





**PROJECT INFORMATION** 

Relatively level land on the southern and central portions of the site

60 Megawatt (MW) project, constructed in two phases, located on

operation of approximately 2538 Concentrated Photovoltaic (CPV)

trackers configured into 45 (1.36 MW) BB that consist of 56 trackers

with rolling rock and boulder covered hills on the northwestern

portion. The site is minimally developed with unpaved roads.

approximately 420 acres and includes the construction and

with associated Inverter and Transformer.

## PRELIMINARY,

PLOT PLAN INFORMATION		SHEET TITLE	
CPV System Summary		WATER TANK &	
Approx. Number of Trackers:	2538	34.5kV OVERHEAD ELEVATION DETAL	
Tracker per BB:	56		
Number of BB:	45		
Total AC Capacity (MWs):	Approx. 60MW	SHEET NUMBER	REV.
Inverter Skid AC Capacity (MWs):	1.36 / 2.0	C-134	0
Number of 1.36 MW Inverter Skids:	45		
Total Lot Size (Acres):	Approx. 420		
Estimated Disturbed Acreage:	420		
Coverage Ratio:	16%		

**AECOM** 

440 Stevens Avenue, Suite 250

Solana Beach, CA 98075

AECOM TECHINCAL SERVICES, INC

858.947.7144 tel 858.947.7145 fax

Soitec Solar Development, LLC

4250 Executive Square, Suite 770 San Diego, CA 92037-9178

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**DESIGNER** 

**AECOM** 

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**NOT FOR CONSTRUCTION**